

What is claimed is:

1. A method of assaying for C-mannosyltransferase (CMT) activity, said method comprising the steps of:
  - i) providing a cell comprising CMT and a fusion protein, said fusion protein comprising a CMT substrate and a transmembrane domain,
  - ii) providing conditions conducive to forming a C-mannosylated CMT substrate by action of said CMT on said CMT substrate in said cell; and
  - iii) detecting said C-mannosylated CMT substrate on the surface of said cell.
2. The method according to claim 1, wherein said C-mannosylation of said substrate is detected using an antibody.
3. The method according to claim 2, wherein said antibody is specific for C-mannosylated CMT substrate.
4. The method according to any one of the preceding claims, wherein said C-mannosylation of said substrate is detected using a label.
5. The method according to claim 1, further comprising cleaving said fusion protein with a protease.
6. A method of identifying an agent effective in modulating C-mannosyltransferase (CMT) activity, said method comprising the steps of the method of any one of the preceding claims in the presence of a putative agent and detecting an increase or decrease in the amount of C-mannosylated CMT substrate.

7. The method according to claim 6, wherein a decrease in the amount of C-mannosylation is achieved and said modulation is inhibition of CMT activity.
8. The method according to claim 6, wherein an increase in the amount of C-mannosylation is achieved and said modulation is activation of CMT activity.
9. The method of any one claims 6 to 8, said method further comprising detecting the presence of a GPI anchor.
10. An agent identified by any one of claims 6 to 9.